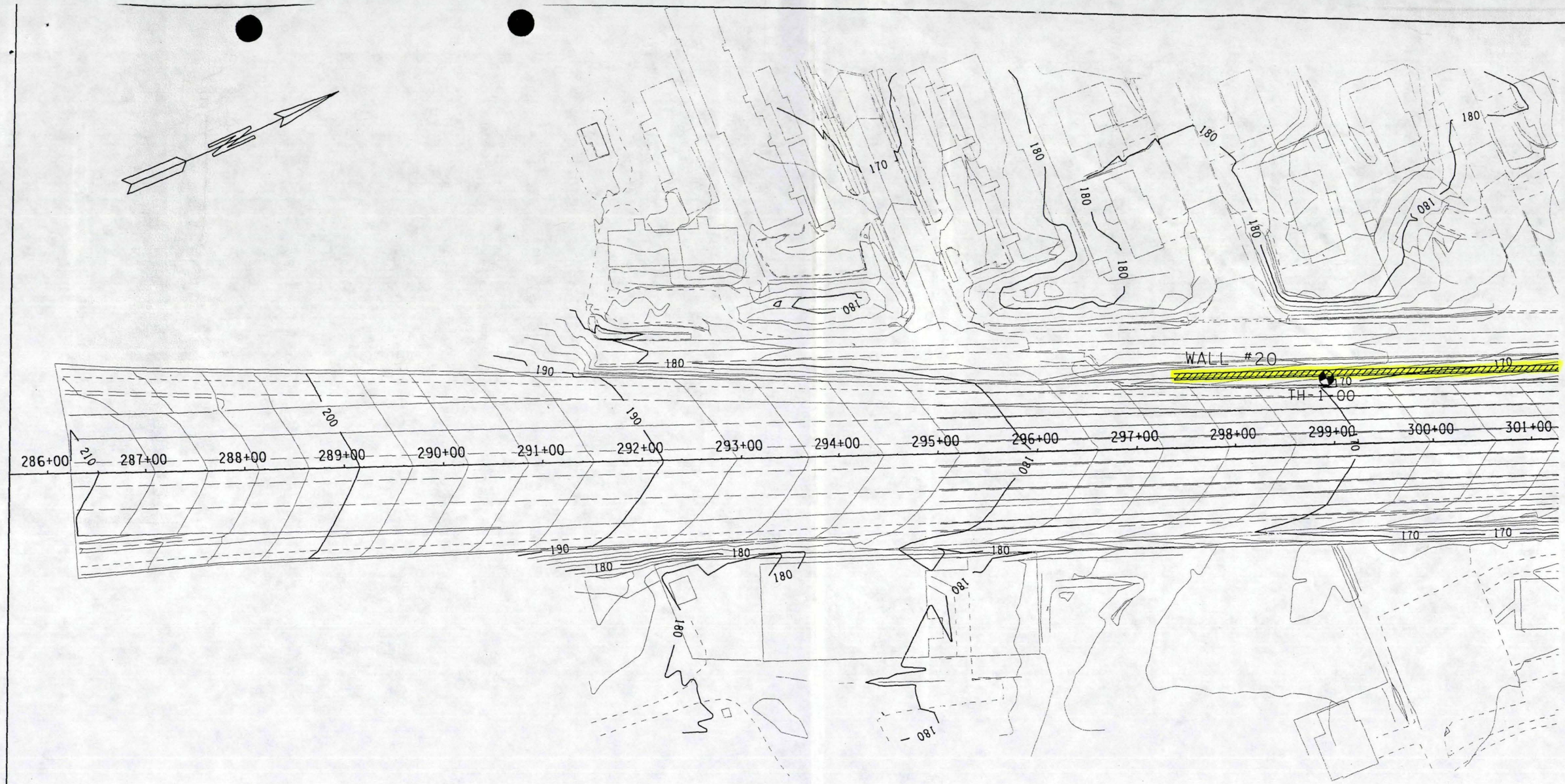


JOB OL-2687 S.R. 5 C.S. 0602

SALMON CREEK VICINITY TO SR 205

WASHINGTON STATE
TRANSPORTATION COMMISSION
DEPARTMENT OF TRANSPORTATION

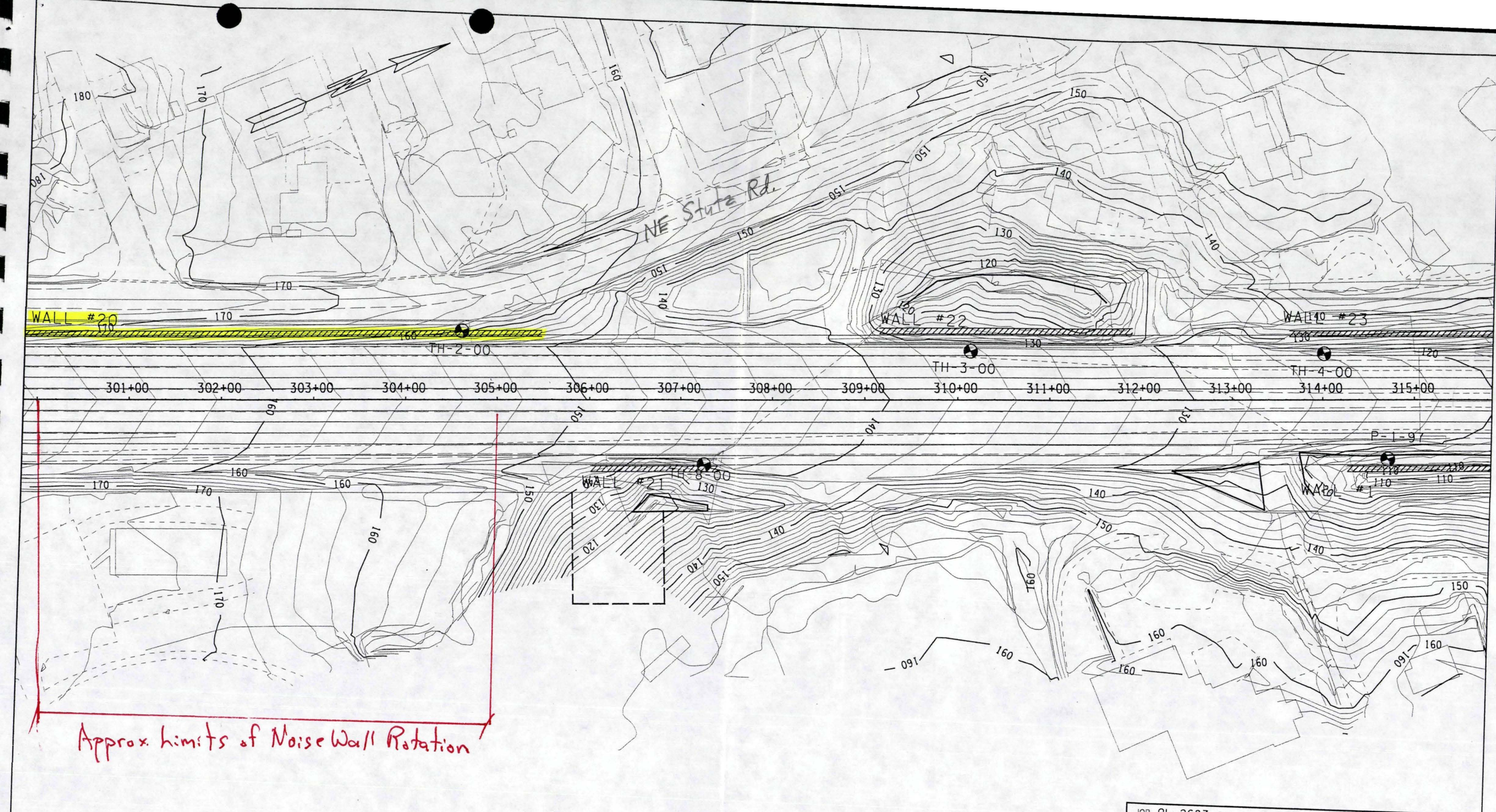
MATERIALS BRANCH

T. E. BAKER MATERIALS ENGINEER

DATE 3/2001
SCALE 1-100' VERT.
1-100' HORIZ.
SHEET ___ OF ___
DRAWN BY W.M.

FIGURE: 2

c:\KC-DOT\L2687\OL2687MAP.DGN 09/18/2001 04:04:51 PM



JOB OL-2687 S.R. 5 C.S. 0602

SALMON CREEK VICINITY TO SR 205

WASHINGTON STATE
TRANSPORTATION COMMISSION
DEPARTMENT OF TRANSPORTATION
MATERIALS BRANCH
T. E. BAKER MATERIALS ENGINEER

DATE 3/2001
SCALE 1-100' VERT.
1-100' HORIZ.
SHEET ___ OF ___
DRAWN BY W.M.

FIGURE: 2A

c:\KC-DOT\L2687\OL2687MAP.DGN 09/18/2001 04:05:01 PM

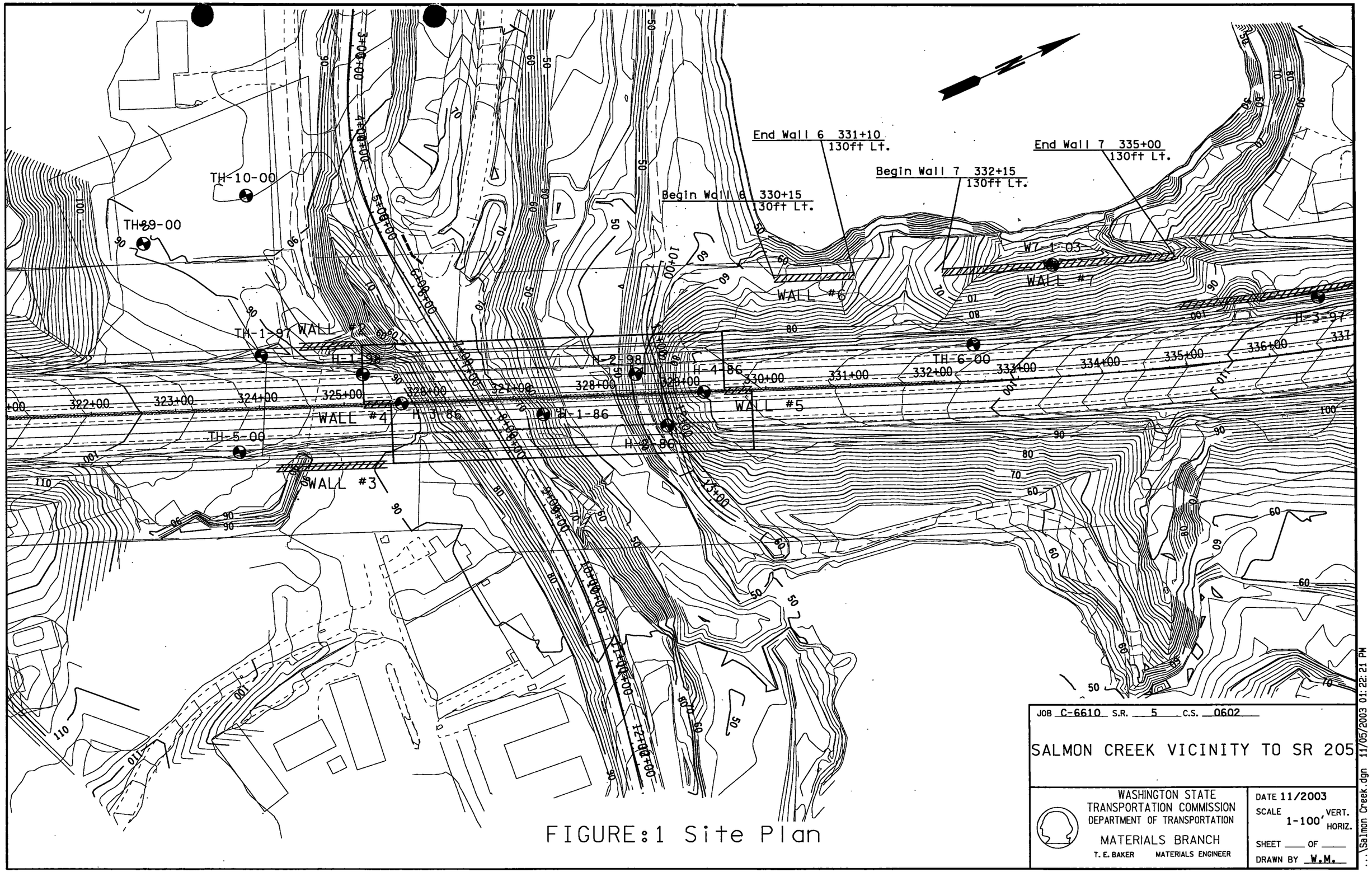


FIGURE:1 Site Plan

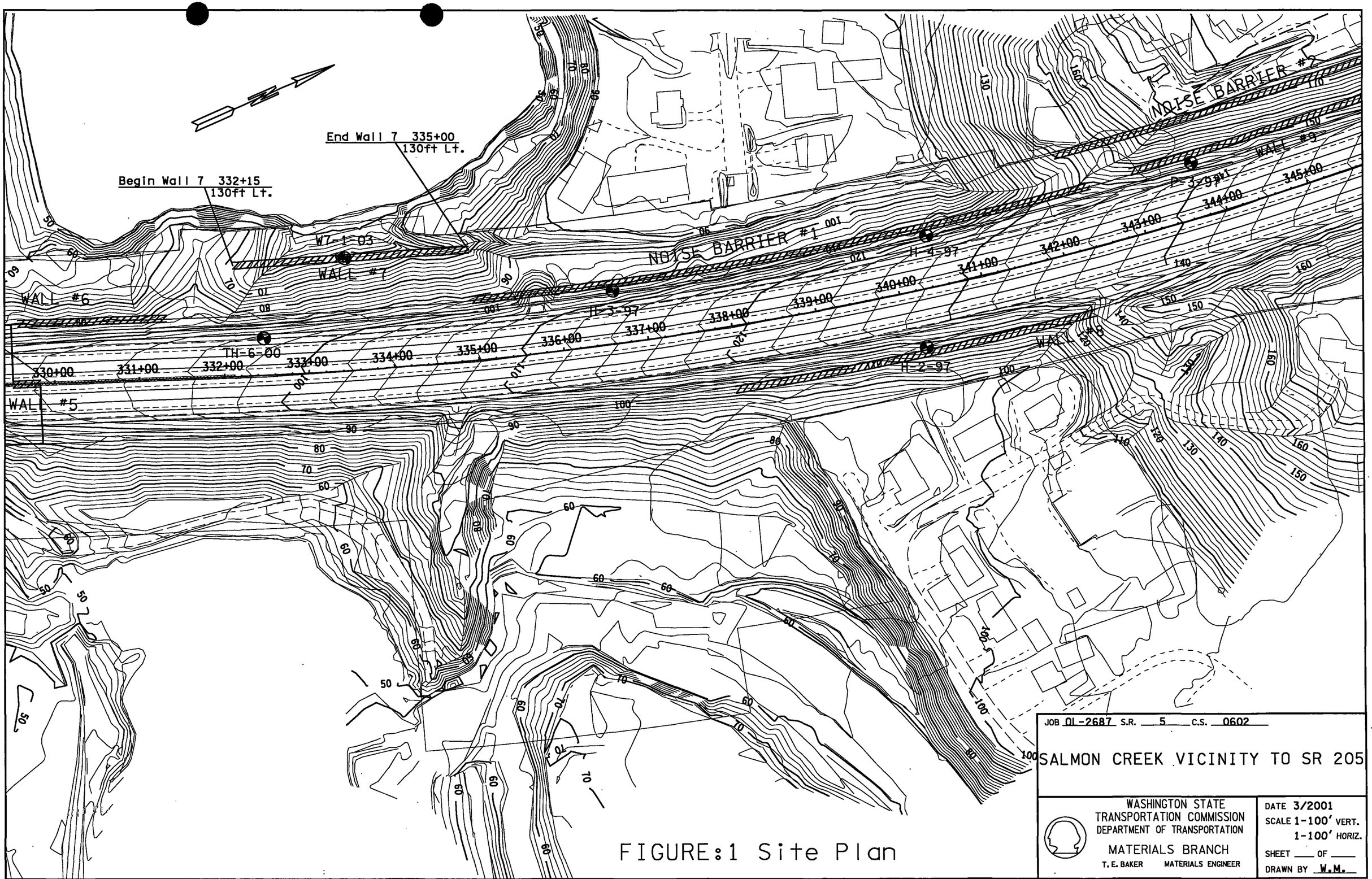


FIGURE:1 Site Plan

...\0L2687MAP.DGN 10/23/2003 01:14:03 PM

JOB C-6610 S.R. 5 C.S. 0602

SALMON CREEK VICINITY TO SR 205

WASHINGTON STATE
TRANSPORTATION COMMISSION
DEPARTMENT OF TRANSPORTATION

MATERIALS BRANCH

T. E. BAKER MATERIALS ENGINEER

DATE 3/2001

SCALE 1-100' VERT. HORIZ.

SHEET ___ OF ___

DRAWN BY W.M.

FIGURE 1: Site Map

...\WALL9B-FIN.DGN 06/10/2004 08:14:39 AM

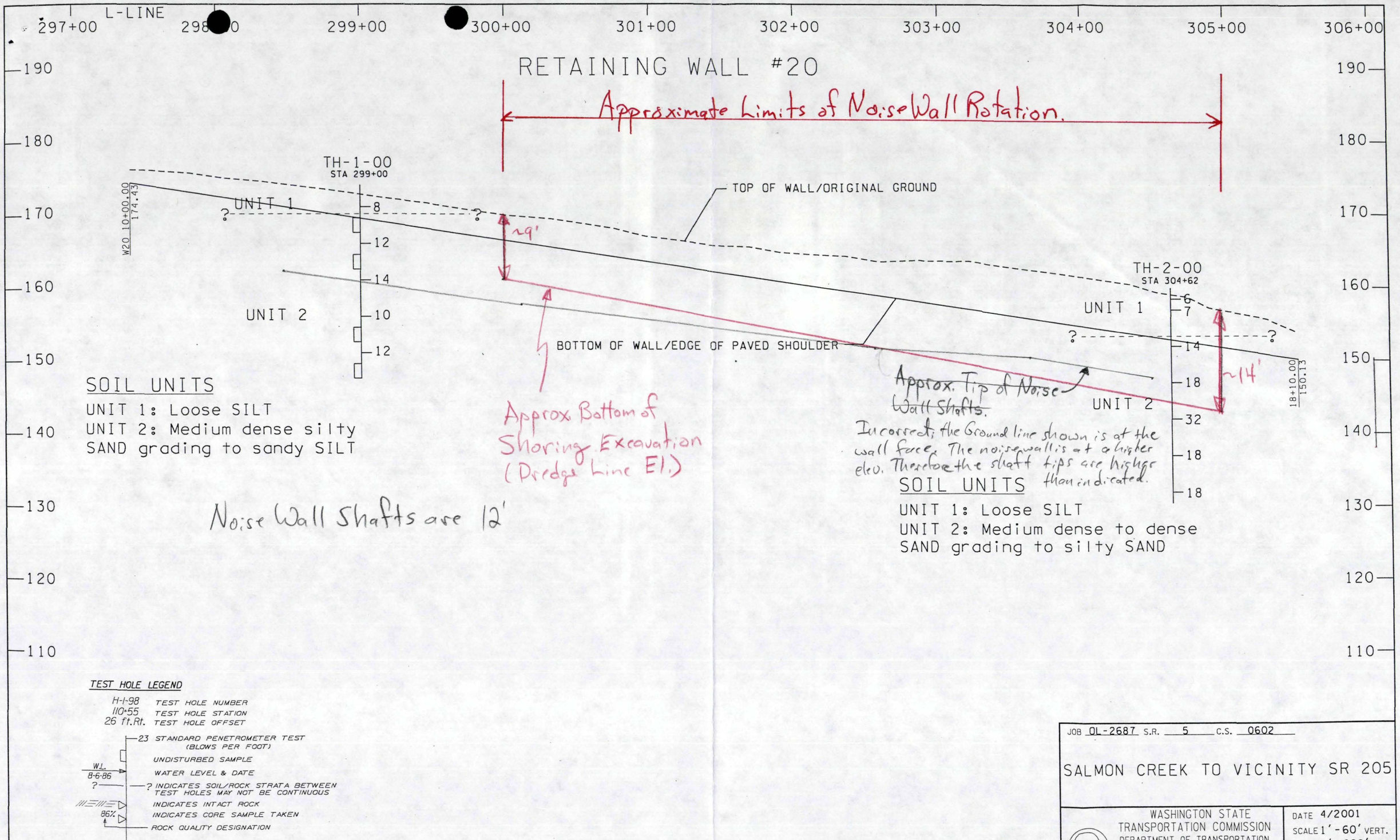


FIGURE 20A

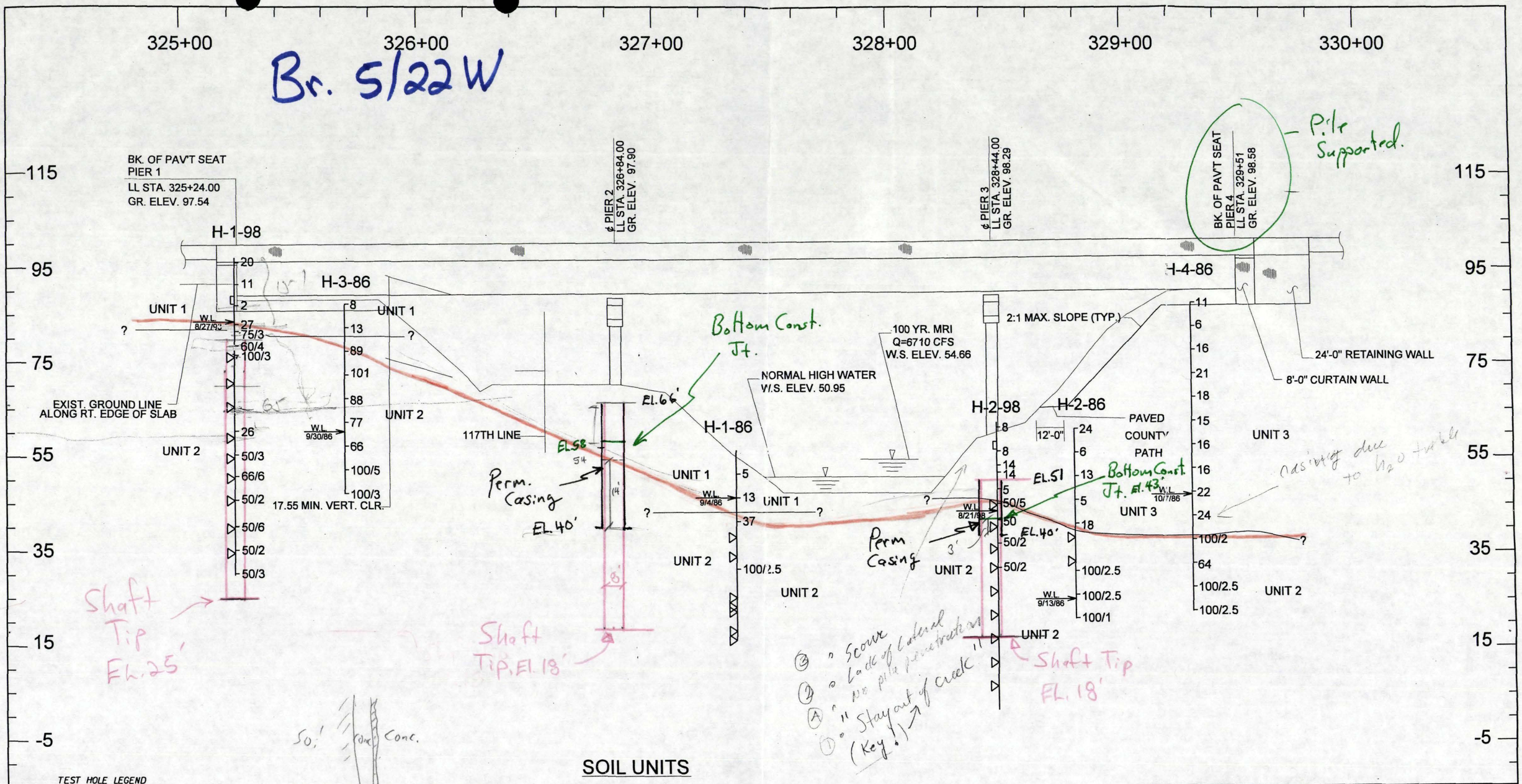
JOB OL-2687 S.R. 5 C.S. 0602

SALMON CREEK TO VICINITY SR 205

WASHINGTON STATE TRANSPORTATION COMMISSION
DEPARTMENT OF TRANSPORTATION
MATERIALS BRANCH
T. E. BAKER MATERIALS ENGINEER

DATE 4/2001
SCALE 1"-60' VERT. 1"-600' HORIZ.
SHEET ___ OF ___
DRAWN BY W.M.

...\All Wall\wall.DGN 09/19/2001 01:03:51 PM



SOIL UNITS

UNIT 1: Loose to medium dense SANDY SILT with GRAVEL, or SANDY SILTY, GRAVEL.

UNIT 2: Dense to very dense SILTY GRAVEL and cobbles

UNIT 3: Medium to very stiff SANDY SILT or SILTY SAND with gravel

FIGURE : 3

Br. 5/22W

JOB OL-2687 S.R. 5 C.S. 0602

SALMON CREEK VICINITY TO SR 205 SB STRUCTURE

WASHINGTON STATE TRANSPORTATION COMMISSION
DEPARTMENT OF TRANSPORTATION
MATERIALS BRANCH
T. E. BAKER MATERIALS ENGINEER

DATE 9/2000
SCALE 1" - 200' VERT. 20.0
1" - 400' HORIZ. 40.0
SHEET ___ OF ___
DRAWN BY W.M.

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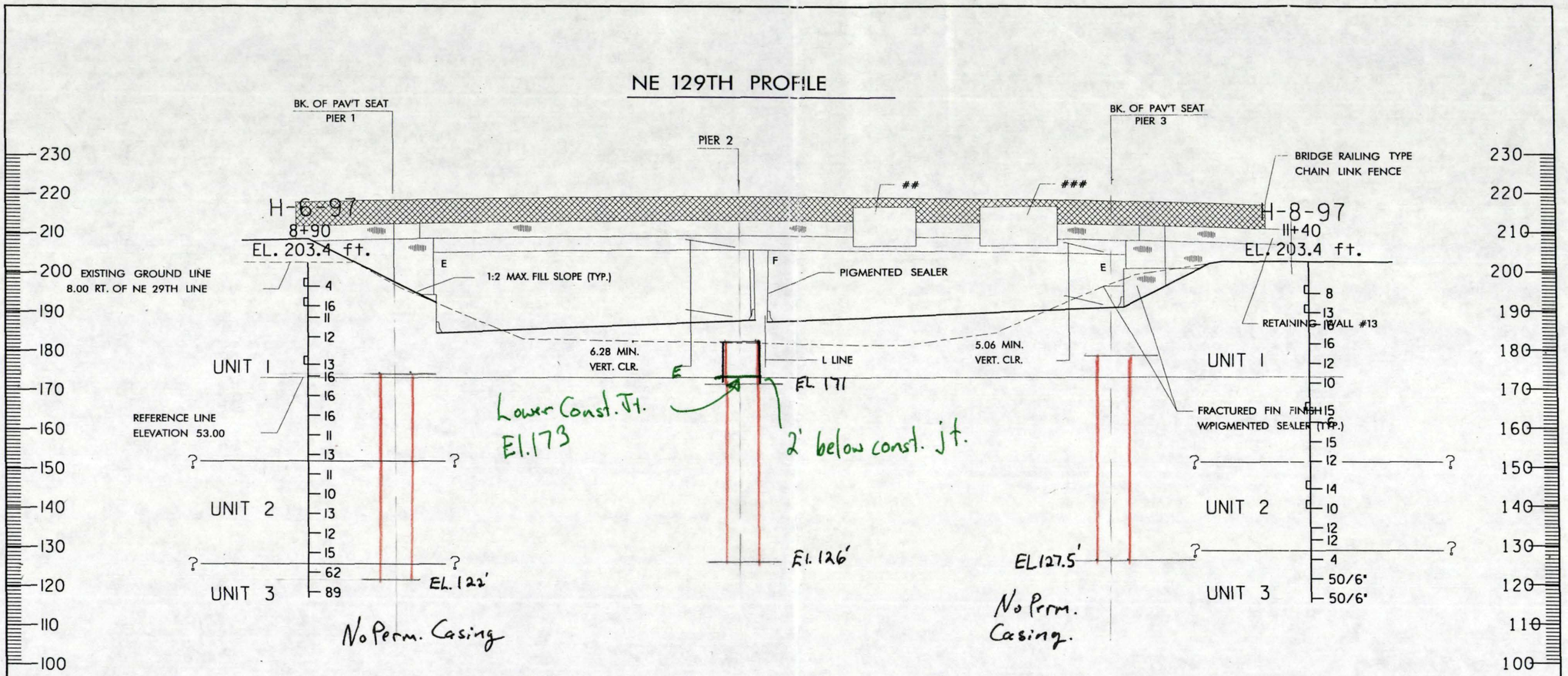


UNIT 1: Loose to medium dense silty sand
UNIT 2: Stiff non plastic SILT
UNIT 3: Dense to very dense silty sand with gravel

TEST HOLE LEGEND

- H-6-97 — TEST HOLE NUMBER
- 8+90 — TEST HOLE STATION
- EL. 203.4 ft. — TEST HOLE ELEVATION
- 23 — STANDARD PENETROMETER TEST (BLOWS PER FOOT)
- UNDISTURBED SAMPLE
- W.L. 8-6-86 — WATER LEVEL & DATE
- ? — INDICATES SOIL/ROCK STRATA BETWEEN TEST HOLES MAY NOT BE CONTINUOUS
- INDICATES INTACT ROCK
- 86% — INDICATES CORE SAMPLE TAKEN
- ROCK QUALITY DESIGNATION

ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISH GRADES AT TOP OF ROADWAY SLAB ON NE 129TH LINE AND ARE EQUAL TO PROFILE GRADE. SEE STD. PLAN H-9 FOR EMBANKMENT DETAILS AT SOUTHWEST END OF BRIDGE.

Figure 3b

JOB OL-2687 S.R 5 C.S. 0602

Salmon Creek Vicinity to SR 205

NE 129th Bridge

WASHINGTON STATE TRANSPORTATION COMMISSION
DEPARTMENT OF TRANSPORTATION
MATERIALS BRANCH
T. E. BAKER MATERIALS ENGINEER

DATE 3/2000
SCALE 1"= 30' VERT.
1"= 30' HORIZ.
SHEET ___ OF ___
DRAWN BY W.M.

...\Salmon Crk\ne 129th bsdE.dgn 10/27/2000 09:21:21 AM

Washington State Department of Transportation

LOG OF TEST BORING

Start Card R 65835

HOLE No. W9-1-04

Sheet 1 of 3

Job No. C-6610 SR 5 Elevation ft (m)

Project SR-5 Salmon Creek to I-205 Driller James Fetterly Lic# 2708

Site Address Vicinity of I-5 and NE 124th Street Inspector Cleo Andrews

Start May 28, 2004 Completion May 28, 2004 Well ID# AHN 638 Equipment CME 850 w/ autohammer

Station 335+00 Offset 114' LT. Casing HQ 3" OD x 52.0' Method Wet Rotary

Northing 0 Easting 0 Latitude Longitude 0

County Clark Subsection SE 1/4 of the SW 1/4 Section 26 Range 1 EWM Township 3

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
5	1	same		1 3 3 (6)		D-1	fine	Silty SAND, with root hairs and root twigs, loose, brown, moist, Stratified, HCl reaction not tested, 0.0' to 3.5' silty Sand as indicated by drilling and wash return. 100% drilling fluid return. Some mica Length Recovered 1.2 ft, Length Retained 1.0 ft		
	2							these are probably fairly clean		
10	3			2 2 4 (6)		D-2	fine	Silty SAND, with poorly graded Sand, loose, brown, moist, Stratified, HCl reaction not tested, traces of mica sand Some mica Length Recovered 1.5 ft, Length Retained 1.0 ft		
15	4			2 3 4 (7)		D-3	fine	Poorly graded SAND, with 0.3' of silty Sand, loose, dark brown, moist, Stratified, HCl reaction not tested, traces of dark brown stains and mica sand. 100% drilling fluid return. Some mica Length Recovered 1.2 ft, Length Retained 1.0 ft		
	5									
20	6			2 2 3 (5)		D-4	fine	Poorly graded SAND, with silty Sand, loose, olive gray, wet, Stratified, HCl reaction not tested, laminated with brownish orange stains, traces of mica sand Length Recovered 1.0 ft, Length Retained 1.0 ft		

Washington State Department of Transportation

LOG OF TEST BORING

Start Card R 65835

HOLE No. W9-1-04

Job No. C-6610 SR 5 Elevation ft (m)

Sheet 2 of 3

Project SR-5 Salmon Creek to I-205

Driller James Fetterly Lic# 2708

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
								med-fine grained		
				3 6 8 (14)		D-5		Poorly graded SAND, medium dense, brown, moist, Homogeneous, HCl reaction not tested, clean, traces of mica sand. Length Recovered 1.3 ft, Length Retained 1.0 ft		
25	7	Same		4 7 8 (15)		D-6		med-fine grained — sample is moist. Poorly graded SAND, with coarse grained sand, medium dense, olive gray, wet, Laminated, Fissured, HCl reaction not tested, sand is dark reddish brown to brownish orange in color. (Note 0.3' of sluff in sampler at 23.5'). Length Recovered 1.5 ft, Length Retained 1.0 ft → larger mica flakes (2-3mm)		
	8			3 3 1 (4)		D-7		Poorly graded SAND, with 0.2' of sandy Silt and 0.2' of fine grained sand, very loose, olive gray, wet, Stratified, HCl reaction not tested, sand is dark reddish brown in color. Changed at 26.8'. Length Recovered 1.0 ft, Length Retained 1.0 ft		
30	9	Same		2 2 2 (4)		D-8		05/28/2004 SILT, with organic silt lenses, various color of spots through soil strata, very loose, olive greenish gray, moist, Stratified, HCl reaction not tested, organic hair lenses are bluish gray in color. Stopped drilling bailed hole. Before bailing -4.0' in casing, after bailing hole to 21.8' water table stabilized in casing to 20.8' after 30 minutes delay. Note will bail piezo when installed and get more accurate test at end of hole. Length Recovered 1.5 ft, Length Retained 1.0 ft		
	10	Same		8 17 17 (34)		D-9		Silty CLAY, with brownish orange stains through soil mass, hard, dark greenish gray, moist, Stratified, HCl reaction not tested, (Note : Material is like a Claystone). Length Recovered 1.5 ft, Length Retained 1.0 ft		
35	11	Same		2 5 8 (13)		D-10		Silty CLAY, with various colors through out soil mass, stiff, dark greenish gray, moist, Stratified, Blocky, HCl reaction not tested, (Note : Material is like a clayey Silt colors are brownish yellowish and light gray). Change to brown in color at 36.0' as shown in wash return. Length Recovered 1.5 ft, Length Retained 1.0 ft		
40	12	Same Transition to Gravel Unit		5 8 8 (16)		D-11		Silty CLAY, with sandy Silt lenses that are light gray in color, stiff, reddish brown, moist, Stratified, Blocky, HCl reaction not tested, (Note : Material is like a clayey Silt). Encountered some gravel at 43.0' as indicated by drilling. Length Recovered 1.5 ft, Length Retained 1.0 ft		
45	13		>>	32 55/6 (55)		D-12		Clayey GRAVEL with sand, angular, very dense, olive gray, moist, Homogeneous, HCl reaction not tested, traces of purple and light gray stains. (Till material). Length Recovered 1.0 ft, Length Retained 1.0 ft		

(mafic + quartzitic gravel - Gravel unit of Miss. Flood Dep. ?)

SOIL C6610 SR 5 SALMON CREEK TO I-205.GPJ SOIL.GDT 6/1/04,7:09:22 A6

Washington State Department of Transportation

LOG OF TEST BORING

Start Card R 65835

HOLE No. W9-1-04

Job No. C-6610 SR 5 Elevation ft (m)

Sheet 3 of 3

Project SR-5 Salmon Creek to I-205

Driller James Fetterly Lic# 2708

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
	14	Same	>>	56/6 (56)		D-13		Well graded GRAVEL with sand, subrounded, very dense, 0live gray, wet, Homogeneous, HCl reaction not tested, (Note : Sampler bouncing on coarse piece of gravel at 49.5' moist of fines washed away while pulling rods from hole. Bailed hole to 48.8' . Installed piezo well at 31.0'. Water table in piezo is 26.9', bailed piezo monitoring well to 27.9', stabilized in piezo at 26.7' after 15 minutes delay. See piezo diagram for details. Ended test hole at 49.0' below ground elevation. Length Recovered 0.1 ft, Length Retained 0.1 ft End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.		
	15									
50										
	16									
55										
	17									
	18									
60										
	19									
65										
	20									
	21									
70										

From Frank Green, H_2O Level
1 June 2004
Depth below top of riser = 27.5'
Ht. of riser = 2.0'
25.5'

SOIL C6610 SR 5 SALMON CREEK TO I-205.GPJ SOIL.GDT 6/1/04,7:09:22 A6

Washington State Department of Transportation

LOG OF TEST BORING

Start Card S-23750

HOLE No. W7-01-03

Job No. C-6610 SR 5 Elevation 60.1 ft (18.3 m)

Sheet 1 of 2

Project SR-5 Salmon Creek to I-205 Driller Sean Verlo Lic# 2615

Site Address SR-5 Vicinity M.P. 6.4 Inspector Fetterly

Start October 8, 2003 Completion October 8, 2003 Well ID# Equipment CME 850 w/ autohammer

Station 333+50 Offset 130ft Lt Casing HWT Method Wet Rotary

Northing Easting Latitude Longitude

County Clark Subsection SE/SW Section 26 Range 1 EWM Township 3N

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
5	1			6 6 7 (13)		D-1		Poorly graded GRAVEL with silt and sand; medium dense, light brown, moist, Homogeneous, no HCl reaction Length Recovered 1.0 ft, Length Retained 1.0 ft		
10	2, 3			4 2 3 (5)		D-2	GS MC	GP-GM, MC=14% Poorly graded GRAVEL with silt and sand, loose, dark brown, wet, Homogeneous, no HCl reaction, started hitting gravels at 6.5' Length Recovered 0.6 ft, Length Retained 0.6 ft		
15	4, 5		>>	53/6 (53/6")		D-3		Well graded GRAVEL with sand, subangular, very dense, grey, wet, Homogeneous, no HCl reaction Length Recovered 0.5 ft, Length Retained 0.5 ft		
20	6		>>	60/6		D-4	GS	GW, MC=10% Well graded GRAVEL with sand, subangular, very dense, grey, wet, Homogeneous, no HCl reaction Length Recovered 0.5 ft, Length Retained 0.5 ft		

Washington State
Department of Transportation

LOG OF TEST BORING

Start Card S-23750

HOLE No. W7-01-03

Job No. C-6610 SR 5 Elevation 60.1 ft (18.3 m)

Sheet 2 of 2

Project SR-5 Salmon Creek to I-205 Driller Sean Verlo Lic# 2615

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
				(60/6")			MC			
								End of test hole boring at 20 ft below ground elevation.		
								This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.		
	7									
25										
	8									
	9									
30										
	10									
35										
	11									
	12									
40										
	13									
45										

Washington State Department of Transportation

LOG OF TEST BORING

Start Card S 04853

HOLE No. TH-6-00

Sheet 1 of 3

Job No. OL-2687 SR 5 Elevation 97.3 ft (29.7 m)

Project Salmon Creek to SR 205 Driller Bill Hanning Lic# 2196

Site Address Vicinity of SR 5 and Salmon Creek Bridge Inspector Cleo Andrews

Start December 10, 2000 Completion December 10, 2000 Well ID# Equipment CME 850 w/ autohammer

Station 332+50 Offset 36ft Lt. Casing (HWTx5.0')(HQx60.0') Method Wet Rotary

Northing Easting Latitude Longitude

County Clark Subsection NE 1/4 of the NW 1/4 Section 35 Range 1 EWM Township 3 N

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
								Top surface 0.4' of asphalt		
								0.4' to 4.0' well graded gravel with sand dirty as indicated by drilling and wash return. 100% drilling fluid return.		
5	1, 2			13 11 12 (23)		D-1		Silty GRAVEL with sand, subrounded, medium dense, grayish brown, moist, Stratified, no HCl reaction, with organic and brown staining. Length Recovered 0.6 ft, Length Retained 0.6 ft Note extremely hard drilling from 6.0' to 8.0'.		
10	3, 4			8 7 16 (23)		D-2		SILT, medium dense, dark yellowish brown, moist, Stratified, no HCl reaction, with 0.4' of silty sand, olive gray. Length Recovered 1.3 ft, Length Retained 1.0 ft		
15	5			7 10 10 (20)		D-3		Silty SAND, dense, dark yellowish brown, moist, Homogeneous, no HCl reaction, some mica grains. Length Recovered 1.2 ft, Length Retained 1.0 ft		
20	6			3 4		D-4		Silty SAND, loose, dark yellowish brown, moist, Homogeneous, no HCl reaction, some mica grains.		

Washington State Department of Transportation

LOG OF TEST BORING

Start Card S 04853

HOLE No. TH-6-00

Job No. OL-2687 SR 5 Elevation 97.3 ft (29.7 m)

Sheet 2 of 3

Project Salmon Creek to SR 205

Driller Bill Hanning Lic# 2196

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
				6 (10)				Length Recovered 1.2 ft, Length Retained 1.0 ft		
	7									
25				3 5 8 (13)		D-5	GS MC	ML, MC=22% Sandy SILT, medium dense, dark yellowish brown, moist, Homogeneous, no HCl reaction, some mica grains. Length Recovered 1.2 ft, Length Retained 1.0 ft		
	8									
30	9			4 6 10 (16)		D-6		Sandy SILT, medium dense, dark yellowish brown, moist, Stratified, no HCl reaction, with very fine grained sand and gray and dark brown stains, some mica grains. Length Recovered 1.4 ft, Length Retained 1.0 ft		
	10									
35				6 9 10 (19)		D-7		Sandy SILT, medium dense, dark yellowish brown, moist, Stratified, no HCl reaction, with very fine grained sand, dark brown, gray stains and some mica grains. Length Recovered 1.4 ft, Length Retained 1.0 ft		
	11									
40	12			5 6 7 (13)		D-8		Sandy SILT, medium dense, dark yellowish brown, moist, Laminated, no HCl reaction, with 0.4' of sandy silt mixed with organic small root particles and mica sand. Length Recovered 1.5 ft, Length Retained 1.0 ft		
	13									
45				4 5		D-9		Sandy SILT with gravel, medium dense, dark yellowish brown, moist, Stratified, Laminated, no HCl reaction, with		

Washington State Department of Transportation

LOG OF TEST BORING

Start Card S 04853

HOLE No. TH-6-00

Job No. OL-2687 SR 5 Elevation 97.3 ft (29.7 m)

Sheet 3 of 3

Project Salmon Creek to SR 205 Driller Bill Hanning Lic# 2196

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
	14			7 (12)				very fine grained sand, dark brown, gray and orange stains, some mica grains, laminated with 0.3' of sandy silt with organic. Length Recovered 1.5 ft, Length Retained 1.0 ft .		
50	15			3 4 10 (14)		D-10		Sandy SILT, medium dense, olive gray, moist, Stratified, no HCl reaction, with very fine grained sand, tiny root particles, dark brown and gray stains. Note encountered gravel at 50.5' as indicated by drilling. Length Recovered 1.1 ft, Length Retained 1.0 ft		
	16									
			>>	95/6 (95/6")		D-11		Well graded GRAVEL with sand, subrounded, very dense, olive gray, moist, Homogeneous, no HCl reaction, loosely bonded together with very fine grained silt matrix. Length Recovered 0.5 ft, Length Retained 0.5 ft		
55	17							End of test hole boring at 54.5 ft below ground elevation.		
								This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.		
	18									
60										
	19									
65										
	20									
	21									
70										

LOG OF TEST BORING — WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

S.H. ____ S.R. 5 SECTION 99th St to SR 205 Job No. L-8140

Hole No. 4 Sub Section Ex Salmon Cr. Bridge (Near Pier 6 E) Cont. Sec. 0602

Station 329 + 29 Offset ℄ Ground El. 87.5

Type of Boring Wet Rotary Casing 65' (4") W.T. El. 40.5

Inspector Zaske Date 10-1 to 7-86 Sheet 1 of 3

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
	11		7 5 6 S+D Pen → 1 BS1	med dense brn Silty fine GRAVEL
5'				
	6		2 3 3 S+D Pen → 2 BS2	Loose brn. Silty SAND & fine GRAVEL
10'				
	16		7 8 8 S+D Pen → 3 BS3	Med dense brn Sandy SILT w/ fine gravel
15'				
	21		8 10 11 S+D Pen → 4 BS4	med. dense brn. Sandy SILT

DOT FORM 351-003 REVISED 12/79

Original to Materials Engineer
Copy to Bridge Engineer
Copy to District Administrator

Copy to ____

HWY Form 351-003-a (H. F. 26.66-A).
Revised 5-67.

Hole No. 4 Sub Section Salmon Cr. Bridge Sheet 2 of 3

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
20'				
	18		6 8 10 Std Pen 5 BS 5	med. dense brn. Sandy Silt w/fine gravel
25'				
	15		6 7 8 Std Pen 6 BS 6	med. dense brn. Sandy SILT
30'				
	16		5 6 10 Std Pen 7 BS 7	med. dense brn. Sandy SILT
35'				
	16		7 6 10 Std Pen 8 BS 8	med. dense brn. Sandy SILT
40'				
	22		6 10 12 Std Pen 9 BS 9	med. dense brn. Sandy SILT
43'				Some gravel at 43'

HWY Form 351-003-a (H. F. 26.66-A).
Revised 5-67.

Hole No. 4 Sub Section SALMON CR. BRIDGE Sheet 3 of 3

DEPTH	BLOWS PER FT.	PROFILE	SAMPLE TUBE NOS.	DESCRIPTION OF MATERIAL
45	24		11 12 12 ↓ 10 BS 10 (S+D Pen)	Mcd dense brn. Silty fine to Coarse GRAVEL & COBBLE No Recovery "Wash Sample"
50'	100 2"		100/2" ↓ S+D Pen 11 BS 11	Very dense brn. Silty fine to Coarse GRAVEL & COBBLE No Recovery "Wash Sample"
55'	64		12 23 41 ↓ 12 BS 12 (S+D Pen)	Very dense brn. Silty fine to coarse GRAVEL
60'	100 3"		100/3" ↓ B8 S+D Pen 13	Very dense brn. Silty fine to Coarse GRAVEL & COBBLE No Recovery wash sample
65'			100/3" ↓ S+D Pen 14 BS 14	Very dense brn. Silty fine to Coarse GRAVEL & COBBLE No Recovery wash Sample
				Inclinometer Set at Approx. 64'

Appendix B: Laboratory Results

Job No. **C-6610** Date **November 5, 2003**

Hole No. **W7-01-03** Sheet **1** of **1**

Project **SR-5 Salmon Creek to I-205**

Laboratory Summary

Washington State Department of Transportation

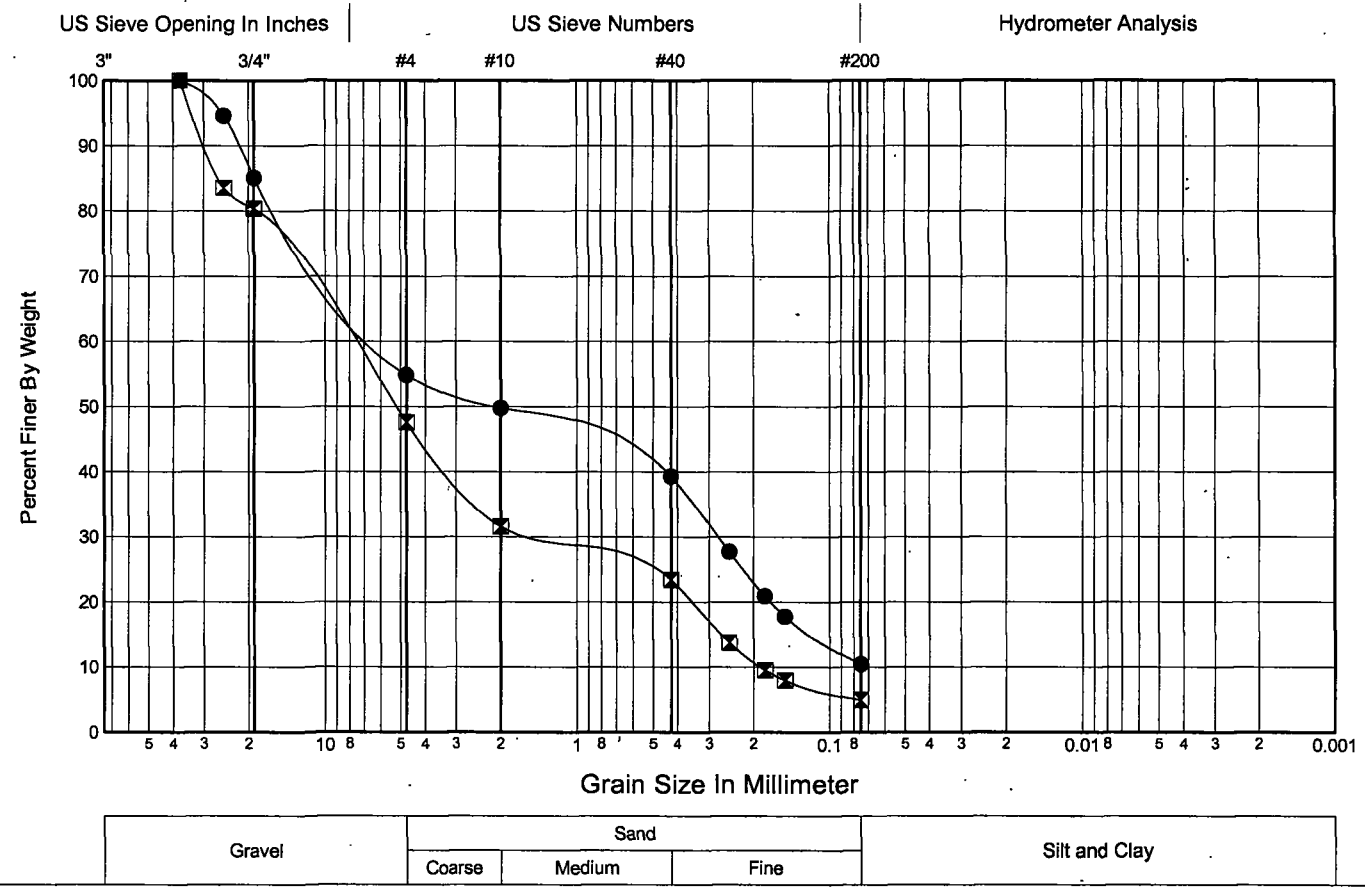
	Depth (ft)	Depth (m)	Sample No.	USCS	Color	Description	MC%	LL	PL	PI
●	9.5	2.90	D-2	GP-GM	See Boring Log	POORLY GRADED GRAVEL with SILT and SAND	14			
⊠	19.5	5.94	D-4	GW	See Boring Log	WELL-GRADED GRAVEL with SAND	10			

GRADATION FRACTIONS

	%Gravel	%Sand	%Fines	Cc	Cu
●	45.1	44.4	10.4	0.2	83.6
⊠	52.4	42.7	4.9	1.5	43.0

GRADATION VALUES

	D60	D50	D30	D20	D10
●	6.013	2.08	0.28	0.17	
⊠	8.031	5.26	1.48	0.35	0.187



Job No. **OL-2687**
Hole No. **TH-6-00**
Project **Salmon Creek to SR 205**

Date **November 5, 2003**
Sheet **1** of **1**

Laboratory Summary

Washington State Department of Transportation

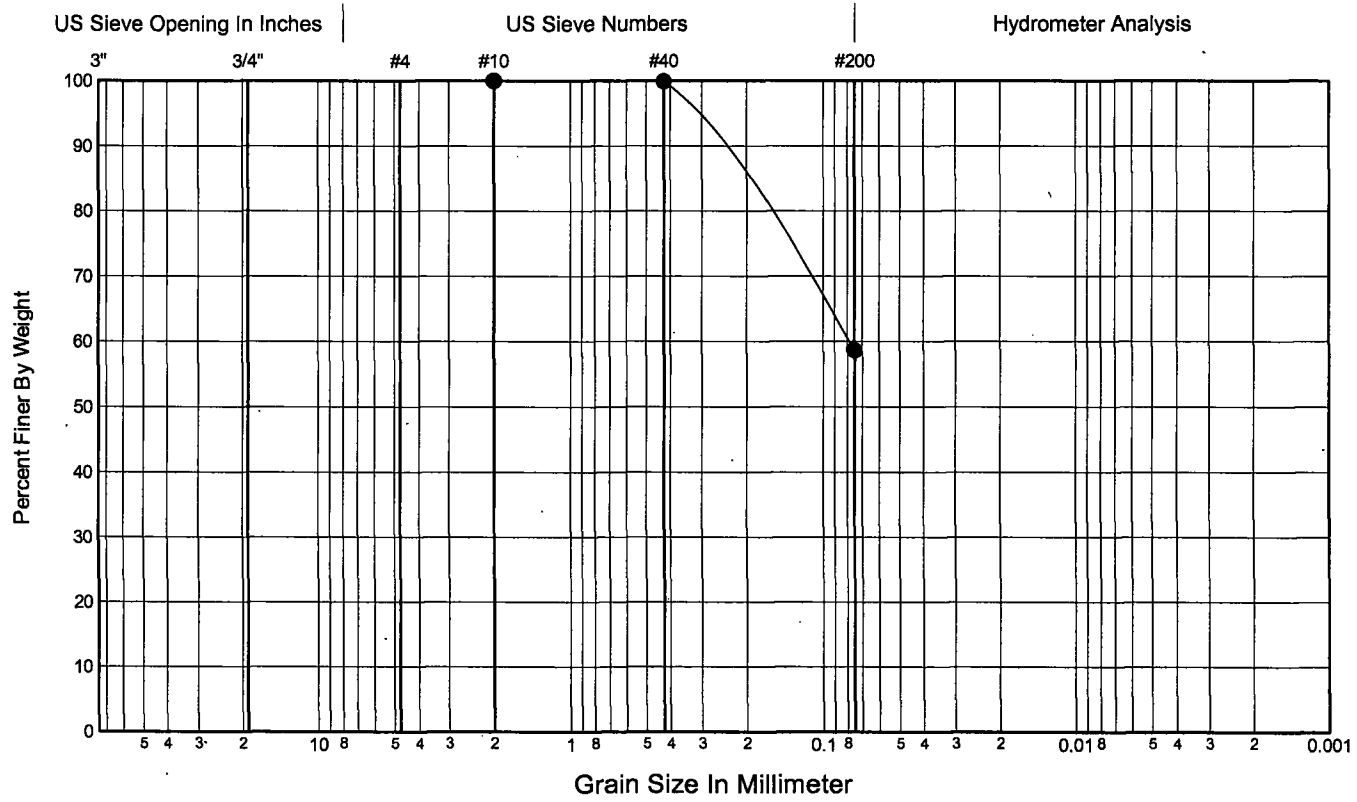
	Depth (ft)	Depth (m)	Sample No.	USCS	Color	Description	MC%	LL	PL	PI
●	**24.0**	**7.32**	**D-5**	**ML**	**See Boring Log**	**SANDY SILT**	**22**			

GRADATION FRACTIONS

	%Gravel	%Sand	%Fines	Cc	Cu
●	**0.0**	**41.4**	**58.6**		

GRADATION VALUES

	D60	D50	D30	D20	D10
●	**0.079**				



LOG OF TEST BORING

Washington State Department of Transportation

HOLE No. P-3-97

PROJECT Salmon Creek to SR 205 — Job No. OL-2687

Vicinity of SR 5 and Salmon Creek Bridge — S.R. 5

Station 343+73.36 — Offset 63.98ft. Lt — C.S. 0602

Equipment Hand Tools — Casing — Ground El 143.7 (43.80 m)

Method of Boring Portable Penetromet.

Start Date October 21, 1997 — Completion Date October 21, 1997 — Sheet 1 of 1

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
				8				1 ft.=0.3048 m.		
				7						
				7				N VALUES CONVERTED TO STANDARD PENETROMETER VALUES.		
				(5)						
				17						
				25						
				23						
				(16)						
	1			45						
				47						
				49						
				(32)						
				61		P-3				
5				64				SILT with sand, dark brown, moist, homogeneous. MC=26%		
				59						
				(41)						
	2							End of test hole boring at 6.0 ft (1.8 m) below ground elevation.		
								Water table elevation not determined.		
								This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications.		
10	3									
	4									
15										
	5									
	6									
20										

SOIL OL2687-1.GPJ SOIL.GDT 9/19/01 7:31:56 A9

LOG OF TEST BORING

Washington State Department of Transportation

HOLE No. P-4-97

PROJECT Salmon Creek to SR 205 — Job No. OL-2687

Vicinity of SR 5 and Salmon Creek Bridge — S.R. 5

Station 346+19 — Offset 60.6ft. Lt — C.S. 0602

Equipment Hand Tools — Casing — Ground El 150.9 (45.99 m)

Method of Boring Portable Penetromet.

Start Date October 21, 1997 — Completion Date October 21, 1997 — Sheet 1 of 1

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
				11				1 ft.=0.3048 m.		
				9						
				12				N VALUES CONVERTED TO STANDARD PENETROMETER VALUES.		
				(8)						
				30						
				26						
				28						
				(18)						
	1			47						
				50						
				51						
				(37)						
				61		P-4				
5				59				SANDY SILT, dark brown, moist, homogeneous.		
				60						
				(40)						
	2									
								End of Test Hole Boring at 6.0 feet (1.8m) below ground elevation.		
								Water table elevation not determined.		
10	3									
								This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.		
	4									
15										
	5									
	6									
20										

SOIL OL2687.GPJ SOIL.GDT 9/19/01 7:31:58 A9

LOG OF TEST BORING

Washington State Department of Transportation

HOLE No. P-5-97

PROJECT Salmon Creek to SR 205 — Job No. OL-2687

Vicinity of SR 5 and Salmon Creek Bridge — S.R. 5

Station 349+57.35 — Offset 118.11ft. Lt — C.S. 0602

Equipment Hand Tools — Casing — Ground El 183.7 (55.99 m)

Method of Boring Portable Penetromet.

Start Date October 22, 1997 — Completion Date October 22, 1997 — Sheet 1 of 1

Depth (ft)	Meters (m)	Profile	Standard Penetration Blows/ft (10 20 30 40)	SPT Blows/6" (N)	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
				9				1 ft.=0.3048 m.		
				8						
				9				N VALUES CONVERTED TO STANDARD PENETROMETER VALUES.		
				(6)						
				27						
				30						
				32						
				(21)						
	1			45						
				47						
				47						
				(32)						
				55		P-5				
5				61				SILT with sand, dark brown, moist, homogeneous. MC=26%		
				52						
				(38)						
	2							End of test hole boring at 6.0 ft (1.8 m) below ground elevation.		
								Water table elevation not determined.		
								This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications.		
10	3									
	4									
15										
	5									
	6									
20										

SOIL OL2687-1.GPJ SOIL.GDT 9/19/01 7:32:00 A9